

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	930	monitoring near3 flights	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L2	223	L1 and displaying	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L3	6	flight adj3 plan and navigation adj4 sensor and weather adj4 data	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L4	2	("6653947").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/10 14:45
L5	2	L3 and @ad <= "20010412"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L6	4	data adj4 weather and sensor and graphic\$4 adj4 layer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L7	11	(visual and transparent and visibil\$4 and layer) and ((345/619).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L8	5	(visual and transparent and visibil\$4 and overlay and merge) and ((345/629).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45

## EAST Search History

L9	19	(visual and transparent and visibil\$4 and layer) and ((345/629).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L10	5841	visual and transparent and visibil\$4 and layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L11	21	(visual and transparent and visibil\$4) and ((345/619).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L12	26	(visual and transparent and visibil\$4) and ((345/629).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L13	9429	visual and transparent and visibil\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L14	26	(visual and transparent and visibil\$4) and ((345/629).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L15	1	(david near2 dwyer) and (michelle near2 covert) and (aaron near2 gannon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L16	5	(visual and transparent and visibil\$4 and overlay and merge) and ((345/629).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L17	26	(david near2 dwyer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45

## EAST Search History

L18	127	visual and transparent and visibil\$4 and overlay and merge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L19	14	(aaron near2 gannon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L20	1	(michelle near2 covert)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L21	5	(visual and transparent and visibil\$4 and overlay and merge) and ((345/629).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L22	19	(visual and transparent and visibil\$4 and layer) and ((345/629).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L23	11	L22 and @ad <= "20010412"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L24	1404	((345/629).ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L25	85225	(("345"/\$)!ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L26	50044	L25 and @ad <= "20010412"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45

## EAST Search History

L27	2251	L26 and navigat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L28	122	L27 and transparent and visibil\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L29	15	L27 and transparent and visibil\$4 and overlay	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L30	5	(displaying) adj4 (multi near operation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L31	74	(graphic) adj4 (multi near operation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L32	70	L31 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L33	70	L32 and control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L34	6	(visual) adj4 (multi near operation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L35	7	(visual) adj7 (multi near operation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45

## EAST Search History

L36	76	(graphic) adj7 (multi near operation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L37	1	L36 and @prad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L38	72	L36 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L39	53	L38 and representation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L40	47	L39 and overlap\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L41	46	L40 and transparen\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L42	47	L40 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L43	930	monitoring near3 flights	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45

## EAST Search History

L44	1	L43 and (displaying) adj4 (graphic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L45	223	L43 and displaying	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L46	99	L45 and @ad <= "20010412"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L47	2	("4893116").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/10 14:45
L48	127	visual and transparent and visibil\$4 and overlay and merge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L49	52	L48 and @ad <= "20010412"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L50	46	L49 and mode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L51	40	L50 and layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L52	2	L51 and sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45

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L53	21	L49 and interrupt and dynamically	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L54	21	L53 and (overlap\$4 or superimpos\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L55	21	L54 and region	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L56	12	L55 and categor\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L57	17	L53 and pop\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L58	7	L53 and pop-up	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L59	39	disk adj3 defragmenter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L60	15	L59 and @ad <= "20010412"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L61	18	superimpose and visual and transparent and visibil\$4 and overlay and merge and predefin\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L62	13	L61 and @ad <= "20010412"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45

## EAST Search History

L63	36	superimpose and visual and visibil\$4 and merge and predefin\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L64	26	L63 and @ad <= "20010412"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L65	2	("6178379").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/10 14:45
L66	6	flight adj3 plan and navigation adj4 sensor and weather adj4 data	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L67	2	("6625537").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/10 14:45
L68	2	("6653947").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/10 14:45
L69	2	L66 and @ad <= "20010412"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45
L70	4	data adj4 weather and sensor and graphic\$4 adj4 layer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/10 14:45

Terms used: **graphical visual layers superimpose**Found **27,576** of **205,978**

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**1 Texturing techniques for terrain visualization**

Jürgen Döllner, Konstantin Baumman, Klaus Hinrichs

October 2000 **Proceedings of the conference on Visualization '00 VIS '00****Publisher:** IEEE Computer Society PressFull text available: [pdf\(3.71 MB\)](#) Additional Information: [full citation](#), [citations](#), [index terms](#)**Keywords:** 3D maps, level of detail, multiresolution, terrain rendering, texture mapping**2 Dynamic 3D maps as visual interfaces for spatio-temporal data**

Jürgen Döllner, Oliver Kersting

November 2000 **Proceedings of the 8th ACM international symposium on Advances in geographic information systems GIS '00****Publisher:** ACM PressFull text available: [pdf\(888.10 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Dynamic 3D maps represent visual interfaces used to present and explore spatial and spatio-temporal data. They provide powerful design capabilities for map contents compared to current map toolkits and general-purpose 3D graphics systems. The underlying object model introduces abstract building blocks which are configured for individual animated, interactive 3D maps. These building blocks do not only include visual primitives but also structural and behavioral primitives: Structural primitive ...

**Keywords:** animated cartography, geographic visualization, information visualization, interactive mapping, interface design**3 Motion analysis of grammatical processes in a visual-gestural language (abstract only)**

Howard Poizner, Edward S. Klima, Ursula Bellugi, Robert B. Livingston

January 1984 **ACM SIGGRAPH Computer Graphics**, Volume 18 Issue 1**Publisher:** ACM PressFull text available: [pdf\(3.92 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Movement of the hands and arms through space is an essential element both in the lexical structure of American Sign Language (ASL), and, most strikingly, in the grammatical structure of ASL: it is in patterned changes of the movement of signs that many grammatical attributes are represented. These grammatical attributes occur as an isolable superimposed layer of structure, as demonstrated by the accurate identification by deaf signers of these attributes presented only as dynamic point-light dis ...

**4 Transparent layered user interfaces: an evaluation of a display design to enhance focused and divided attention**

Publisher: ACM Press/Addison-Wesley Publishing Co.

Full text available:  [html\(44.09 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**5 Layer tool: support for progressive design**

 Yin Yin Wong

April 1993 **INTERACT '93 and CHI '93 conference companion on Human factors in computing systems CHI '93**

Publisher: ACM Press

Full text available:  [pdf\(211.50 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)



**6 Transformations and Experiences: VXT: a visual approach to XML transformations**

 Emmanuel Pietriga, Jean-Yves Vion-Dury, Vincent Quint

November 2001 **Proceedings of the 2001 ACM Symposium on Document engineering DocEng '01**

Publisher: ACM Press

Full text available:  [pdf\(165.99 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



The domain of XML transformations is becoming more and more important as a result of the increasing number of applications adopting XML as their format for data exchange or representation. Most of the existing solutions for expressing XML transformations are textual languages, such as XSLT or DOM combined with a general-purpose programming language. Several tools build on top of these languages, providing a graphical environment. Transformations are however still specified in a textual way using ...

**Keywords:** XML transformations, XSLT, circus, visual programming languages, zoomable user interfaces

**7 Toolkits: Revisiting visual interface programming: creating GUI tools for designers and programmers**

 Stéphane Chatty, Stéphane Sire, Jean-Luc Vinot, Patrick Lecoanet, Alexandre Lemort, Christophe Mertz

October 2004 **Proceedings of the 17th annual ACM symposium on User interface software and technology UIST '04**

Publisher: ACM Press

Full text available:  [pdf\(1.11 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



Involving graphic designers in the large-scale development of user interfaces requires tools that provide more graphical flexibility and support efficient software processes. These requirements were analysed and used in the design of the TkZ-inc graphical library and the IntuiKit interface design environment. More flexibility is obtained through a wider palette of visual techniques and support for iterative construction of images, composition and parametric displays. More efficient processes ...

**Keywords:** GUI tools, SVG, model-driven architecture, software architecture, vector graphics, visual design

**8 Perceptual limits on 2D motion-field visualization**

 Michael S. Langer, Javeen Pereira, Dipinder Rekhi

July 2006 **ACM Transactions on Applied Perception (TAP), Volume 3 Issue 3**

Publisher: ACM Press

Full text available:  [pdf\(456.02 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



This paper examines perceptual issues in 2D motion-field visualization. Several aspects of motion-field perception are considered, including sensitivity to spatial gradients, number

of motion layers, and motion blur. Our analysis concentrates on a specific popular method for 2D flow visualization, namely, line integral convolution (LIC). Using 2D spectral analysis, we examine a tradeoff that arises in dynamic LIC between the static motion blur cue, which indicates motion direction and the dynami ...

**Keywords:** Motion layers, flow visualization, line integral convolution, psychophysics, spectral synthesis

9 [A model of visual masking for computer graphics](#)

 James A. Ferwerda, Peter Shirley, Sumanta N. Pattanaik, Donald P. Greenberg

August 1997 **Proceedings of the 24th annual conference on Computer graphics and interactive techniques SIGGRAPH '97**

**Publisher:** ACM Press/Addison-Wesley Publishing Co.

Full text available:  pdf(1.26 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



**Keywords:** error metrics, image quality, masking, visual perception

10 [Design education: infoscape: an online visual information landscape for collaborative design education](#)

Andrew Vande Moere

November 2005 **Proceedings of the 2005 conference on Designing for User eXperience DUX '05**

**Publisher:** AIGA: American Institute of Graphic Arts

Full text available:  pdf(9.47 MB) Additional Information: [full citation](#), [abstract](#), [references](#)



infoscape is an online collaboration environment developed for an undergraduate digital image design course, aimed to facilitate intuitive transfers of creative ideas between students without explicitly making this the goal of the processes involved. Self-initiated design propagation acts as a strong motivation to create quality design work through a process of continuous self-evaluation, by encouraging students to negotiate with peers. infoscape consisted of a patchwork of image fields which we ...

**Keywords:** computer supported collaboration, participatory design, visual design, visualization, web-based education

11 [Visualizing multivalued data from 2D incompressible flows using concepts from painting](#)

R. M. Kirby, H. Marmanis, David H. Laidlaw

October 1999 **Proceedings of the conference on Visualization '99: celebrating ten years VIS '99**

**Publisher:** IEEE Computer Society Press

Full text available:  pdf(1.24 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



We present a new visualization method for 2d flows which allows us to combine multiple data values in an image for simultaneous viewing. We utilize concepts from oil painting, art, and design as introduced in [1] to examine problems within fluid mechanics. We use a combination of discrete and continuous visual elements arranged in multiple layers to visually represent the data. The representations are inspired by the brush strokes artists apply in layers to create an oil painting. We displa ...

12 [Spatial augmented reality: a modern approach to augmented reality: Modern approaches to augmented reality](#)

 Oliver Bimber, Ramesh Raskar

July 2005 **ACM SIGGRAPH 2005 Courses SIGGRAPH '05**

**Publisher:** ACM Press

Full text available:  pdf(48.93 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



This tutorial discusses the Spatial Augmented Reality (SAR) concept, its advantages and

limitations. It will present examples of state-of-the-art display configurations, appropriate real-time rendering techniques, details about hardware and software implementations, and current areas of application. Specifically, it will describe techniques for optical combination using single/multiple spatially aligned mirror-beam splitters, image sources, transparent screens and optical holograms. Furthermore, ...

**13 An experimental evaluation of transparent user interface tools and information**



**Content**

Beverly L. Harrison, Gordon Kurtenbach, Kim J. Vicente

December 1995 **Proceedings of the 8th annual ACM symposium on User interface and software technology UIST '95**

**Publisher:** ACM Press

Full text available: [pdf\(1.28 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



**Keywords:** display design, interaction technology, toolglass, transparency, user interface design

**14 Spatial augmented reality: Modern approaches to augmented reality**



Oliver Bimber, Ramesh Raskar

July 2006 **ACM SIGGRAPH 2006 Courses SIGGRAPH '06**

**Publisher:** ACM Press

Full text available: [pdf\(2.45 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



This tutorial discusses the Spatial Augmented Reality (SAR) concept, its advantages and limitations. It will present examples of state-of-the-art display configurations, appropriate real-time rendering techniques, details about hardware and software implementations, and current areas of application. Specifically, it will describe techniques for optical combination using single/multiple spatially aligned mirror-beam splitters, image sources, transparent screens and optical holograms. Furthermore, ...

**15 Facial modeling and animation**



Jörg Haber, Demetri Terzopoulos

August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

**Publisher:** ACM Press

Full text available: [pdf\(18.15 MB\)](#)

Additional Information: [full citation](#), [abstract](#)



In this course we present an overview of the concepts and current techniques in facial modeling and animation. We introduce this research area by its history and applications. As a necessary prerequisite for facial modeling, data acquisition is discussed in detail. We describe basic concepts of facial animation and present different approaches including parametric models, performance-, physics-, and learning-based methods. State-of-the-art techniques such as muscle-based facial animation, mass-s ...

**16 Papers: visualization: Layered motion field visualization: perceptual issues**



M. S. Langer, D. Rekhi, J. Pereira, A. Bhatia

August 2005 **Proceedings of the 2nd symposium on Applied perception in graphics and visualization APGV '05**

**Publisher:** ACM Press

Full text available: [pdf\(437.62 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



Layered motion fields arise in natural vision in many situations, including self-motion in a cluttered scene, motion of a fluid, and transparency. Layered motion fields have the property that there are multiple velocities present near each 2D spatial location. As such, standard 2D motion visualization methods do not apply, since they allow for only a single velocity vector at each image position. This paper examines perceptual issues that arise in visualizing layered motion fields. A key issue i ...

**17 Digital facial engraving**



Victor Ostromoukhov

July 1999 **Proceedings of the 26th annual conference on Computer graphics and**



**Keywords:** digital engraving, dithering, halftoning, nonphotorealistic rendering, photorealistic rendering

**18 Encoding of high dynamic range video with a model of human cones** 

 J. H. Van Hateren

October 2006 **ACM Transactions on Graphics (TOG)**, Volume 25 Issue 4

**Publisher:** ACM Press

Full text available:  pdf(684.54 KB) Additional Information: [full citation](#), [appendices and supplements](#), [abstract](#), [references](#), [index terms](#)

A recently developed quantitative model describing the dynamical response characteristics of primate cones is used for rendering high dynamic range (HDR) video. The model provides range compression, as well as luminance-dependent noise suppression. The steady-state (static) version of the model provides a global tone mapping algorithm for rendering HDR images. Both the static and dynamic cone models can be inverted, enabling expansion of the HDR images and video that were compressed with the con ...

**Keywords:** HDR video, High dynamic range, adaptation, human cones, tone mapping, video processing, visual perception

**19 Dynamic screens and static paper** 

 Sandra B Smith

February 1986 **Proceedings of the 4th annual international conference on Systems documentation SIGDOC '85**

**Publisher:** ACM Press

Full text available:  pdf(670.72 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

**20 Putting integrated information in context: superimposing conceptual models with SPARCE** 

Sudarshan Murthy, David Maier, Lois Delcambre, Shawn Bowers

January 2004 **Proceedings of the first Asian-Pacific conference on Conceptual modelling - Volume 31 APCCM '04**

**Publisher:** Australian Computer Society, Inc.

Full text available:  pdf(510.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A person working with diverse information sources—with possibly different formats and information models—may recognize and wish to express conceptual structures that are not explicitly present in those sources. Rather than replicate the portions of interest and recast them into a single, combined data source, we leave *base information* where it is and *superimpose* a conceptual model that is appropriate to the task at hand. This superimposed model can be distinct from the ...

**Keywords:** SPARCE, conceptual modelling, context, excerpts, software architecture, superimposed information

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